



**BROAD HORIZON**  
— TUITION —

# **11+ Tuition**

**Year 5**

**Week 3 -  
Online**

Revision Lesson

**ANSWERS**

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# Maths

## Multiplying and Dividing Numbers by 10, 100 and 1000

### Answers

1. Use the multiplication and division facts below to fill in the missing numbers to complete the calculations

Multiplication/Division Fact	Missing number calculation
$6.4 \times 10 = 64$	$64 \div 10 = \mathbf{6.4}$
$75 \div 10 = 7.5$	$7.5 \times 10 = \mathbf{75}$
$6530 \div 100 = 65.3$	$65.3 \times 100 = \mathbf{6530}$
$24.5 \times 100 = 2450$	$2450 \div 100 = \mathbf{24.5}$
$7.6 \times 1000 = 7600$	$7600 \div 1000 = \mathbf{7.6}$
$45 \div 100 = 0.45$	$0.45 \times 100 = \mathbf{45}$

2. Fill in the missing numbers in these multiplication calculations:

a.  $53 \times \mathbf{10} = 530$

b.  $\mathbf{34} \times 10 = 340$

c.  $38 \times \mathbf{100} = 3800$

d.  $\mathbf{4} \times 1000 = 4000$

3. Fill in the missing numbers in these division calculations:

a.  $67 \div \mathbf{10} = 6.7$

b.  $854 \div \mathbf{100} = 8.54$

c.  $\mathbf{3000} \div 1000 = 3$

d.  $\mathbf{53} \div 100 = 0.53$

4. Complete the following table

	$\times 10$	$\div 10$
467	<b>4670</b>	<b>46.7</b>
<b>56</b>	560	<b>5.6</b>
<b>7</b>	<b>70</b>	0.7
23	<b>230</b>	<b>2.3</b>

## Answers

1. Fill in the missing numbers in these multiplication calculations:

a.  $476 \times 10 = 4760$

b.  $2.4 \times 10 = 24$

c.  $75 \times 100 = 7500$

d.  $5.67 \times 1000 = 5670$

e.  $73.4 \times 100 = 7340$

f.  $867 \times 10 = 8670$

2. Fill in the missing numbers in these division calculations:

a.  $765 \div 100 = 7.65$

b.  $180 \div 10 = 18$

c.  $6560 \div 1000 = 6.56$

d.  $23 \div 100 = 0.23$

e.  $68 \div 10 = 6.8$

f.  $340 \div 1000 = 0.34$

3. Complete the following table

	$\times 10$	$\div 10$	$\times 100$	$\div 100$
38	380	3.8	3800	0.38
74	740	7.4	7400	0.74
67.3	673	6.73	6730	0.673
45	450	4.5	4500	0.45
57.9	579	5.79	5790	0.579
76.5	765	7.65	7650	0.765

Name \_\_\_\_\_

Date \_\_\_\_\_



## MULTIPLY & DIVIDE BY 10 AND 100 SHEET 2 ANSWERS

A) Multiply these numbers by 10 or 100.

- |  |  |   |
|--|--|---|
| 1) $0.42 \times 10 = \underline{4.2}$  | 2) $1.72 \times 10 = \underline{17.2}$ | 3) $100 \times 12.6 = \underline{1260}$ |
| 4) $4.09 \times 100 = \underline{409}$ | 5) $10 \times 1.35 = \underline{13.5}$ | 6) $2.9 \times 100 = \underline{290}$   |
| 7) $10 \times 0.58 = \underline{5.8}$  | 8) $3.74 \times 100 = \underline{374}$ | 9) $10 \times 6.87 = \underline{68.7}$  |

B) Divide these numbers by 10 or 100.

- |                                      |                                      |                                      |
|--------------------------------------|--------------------------------------|--------------------------------------|
| 1) $312 \div 10 = \underline{31.2}$  | 2) $9.7 \div 10 = \underline{0.97}$  | 3) $815 \div 100 = \underline{8.15}$ |
| 4) $274 \div 100 = \underline{2.74}$ | 5) $14.8 \div 10 = \underline{1.48}$ | 6) $341 \div 10 = \underline{34.1}$  |
| 7) $63 \div 100 = \underline{0.63}$  | 8) $104 \div 10 = \underline{10.4}$  | 9) $3 \div 100 = \underline{0.03}$   |

C) 10 or 100 times **bigger** or **smaller**? Circle the correct amounts.

- |  |
|--|
| 1) 7.3 is 10x <u>100x</u> bigger <u>smaller</u> than 730   |
| 1) 14.5 is <u>10x</u> 100x <u>bigger</u> smaller than 1.45 |
| 2) 743 is 10x <u>100x</u> <u>bigger</u> smaller than 7.43  |
| 3) 452 is <u>10x</u> 100x <u>bigger</u> smaller than 45.2  |
| 4) 0.17 is 10x <u>100x</u> bigger <u>smaller</u> than 17   |

D) Multiply or divide these numbers by 10 or 100.

- |                                       |  |                                       |
|---------------------------------------|--|---------------------------------------|
| 1) $13.5 \times 10 = \underline{135}$ | 2) $100 \times 0.64 = \underline{64}$  | 3) $128 \div 100 = \underline{1.28}$  |
| 4) $9.6 \div 10 = \underline{0.96}$   | 5) $3.25 \times 100 = \underline{325}$ | 6) $53.9 \div 10 = \underline{5.39}$  |
| 7) $645 \div 100 = \underline{6.45}$  | 8) $10 \times 6.42 = \underline{64.2}$ | 9) $5.8 \times 100 = \underline{580}$ |
| 10) $7.2 \div 10 = \underline{0.72}$  | 11) $0.46 \times 10 = \underline{4.6}$ | 12) $43 \div 100 = \underline{0.43}$  |

## Column Multiplication

Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

$$\begin{array}{r} 441 \\ \times 56 \\ \hline 24696 \end{array}$$

$$\begin{array}{r} 148 \\ \times 24 \\ \hline 3552 \end{array}$$

$$\begin{array}{r} 497 \\ \times 21 \\ \hline 10437 \end{array}$$

$$\begin{array}{r} 697 \\ \times 76 \\ \hline 52972 \end{array}$$

$$\begin{array}{r} 522 \\ \times 54 \\ \hline 28188 \end{array}$$

$$\begin{array}{r} 445 \\ \times 25 \\ \hline 11125 \end{array}$$

$$\begin{array}{r} 229 \\ \times 96 \\ \hline 21984 \end{array}$$

$$\begin{array}{r} 972 \\ \times 60 \\ \hline 58320 \end{array}$$

$$\begin{array}{r} 244 \\ \times 18 \\ \hline 4392 \end{array}$$

$$\begin{array}{r} 552 \\ \times 16 \\ \hline 8832 \end{array}$$

$$\begin{array}{r} 474 \\ \times 18 \\ \hline 8532 \end{array}$$

$$\begin{array}{r} 508 \\ \times 75 \\ \hline 38100 \end{array}$$

$$\begin{array}{r} 207 \\ \times 57 \\ \hline 11799 \end{array}$$

$$\begin{array}{r} 738 \\ \times 68 \\ \hline 50184 \end{array}$$

$$\begin{array}{r} 832 \\ \times 98 \\ \hline 81536 \end{array}$$

$$\begin{array}{r} 215 \\ \times 14 \\ \hline 3010 \end{array}$$



Name : \_\_\_\_\_ Score : \_\_\_\_\_

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$$\begin{array}{r} 173 \\ \times 84 \\ \hline 14532 \end{array}$$

$$\begin{array}{r} 391 \\ \times 83 \\ \hline 32453 \end{array}$$

$$\begin{array}{r} 292 \\ \times 48 \\ \hline 14016 \end{array}$$

$$\begin{array}{r} 263 \\ \times 21 \\ \hline 5523 \end{array}$$

$$\begin{array}{r} 252 \\ \times 42 \\ \hline 10584 \end{array}$$

$$\begin{array}{r} 919 \\ \times 51 \\ \hline 46869 \end{array}$$

$$\begin{array}{r} 829 \\ \times 73 \\ \hline 60517 \end{array}$$

$$\begin{array}{r} 303 \\ \times 26 \\ \hline 7878 \end{array}$$

$$\begin{array}{r} 866 \\ \times 50 \\ \hline 43300 \end{array}$$

$$\begin{array}{r} 550 \\ \times 62 \\ \hline 34100 \end{array}$$

$$\begin{array}{r} 718 \\ \times 67 \\ \hline 48106 \end{array}$$

$$\begin{array}{r} 851 \\ \times 26 \\ \hline 22126 \end{array}$$

$$\begin{array}{r} 715 \\ \times 23 \\ \hline 16445 \end{array}$$

$$\begin{array}{r} 202 \\ \times 71 \\ \hline 14342 \end{array}$$

$$\begin{array}{r} 658 \\ \times 53 \\ \hline 34874 \end{array}$$

$$\begin{array}{r} 805 \\ \times 57 \\ \hline 45885 \end{array}$$



## Division

$$9 \overline{)972} \begin{array}{r} 108 \\ \end{array}$$

$$9 \overline{)913} \begin{array}{r} 101 \text{ r } 4 \\ \end{array}$$

$$4 \overline{)534} \begin{array}{r} 133 \text{ r } 2 \\ \end{array}$$

$$6 \overline{)892} \begin{array}{r} 148 \text{ r } 4 \\ \end{array}$$

$$3 \overline{)561} \begin{array}{r} 187 \\ \end{array}$$

$$9 \overline{)925} \begin{array}{r} 102 \text{ r } 7 \\ \end{array}$$

$$3 \overline{)807} \begin{array}{r} 269 \\ \end{array}$$

$$5 \overline{)857} \begin{array}{r} 171 \text{ r } 2 \\ \end{array}$$

$$8 \overline{)923} \begin{array}{r} 115 \text{ r } 3 \\ \end{array}$$

$$7 \overline{)780} \begin{array}{r} 111 \text{ r } 3 \\ \end{array}$$

$$8 \overline{)840} \begin{array}{r} 105 \\ \end{array}$$

$$4 \overline{)796} \begin{array}{r} 199 \\ \end{array}$$

$$7 \overline{)894} \begin{array}{r} 127 \text{ r } 5 \\ \end{array}$$

$$5 \overline{)570} \begin{array}{r} 114 \\ \end{array}$$

$$6 \overline{)897} \begin{array}{r} 149 \text{ r } 3 \\ \end{array}$$

$$2 \overline{)854} \begin{array}{r} 427 \\ \end{array}$$

$$7 \overline{)736} \begin{array}{r} 105 \text{ r } 1 \\ \end{array}$$

$$6 \overline{)960} \begin{array}{r} 160 \\ \end{array}$$

$$5 \overline{)615} \begin{array}{r} 123 \\ \end{array}$$

$$2 \overline{)486} \begin{array}{r} 243 \\ \end{array}$$

Name : \_\_\_\_\_ Score : \_\_\_\_\_

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$$2 \overline{) 745} \begin{array}{r} 372 \text{ r } 1 \end{array}$$

$$3 \overline{) 732} \begin{array}{r} 244 \end{array}$$

$$9 \overline{) 963} \begin{array}{r} 107 \end{array}$$

$$6 \overline{) 751} \begin{array}{r} 125 \text{ r } 1 \end{array}$$

$$4 \overline{) 620} \begin{array}{r} 155 \end{array}$$

$$4 \overline{) 413} \begin{array}{r} 103 \text{ r } 1 \end{array}$$

$$4 \overline{) 656} \begin{array}{r} 164 \end{array}$$

$$5 \overline{) 760} \begin{array}{r} 152 \end{array}$$

$$9 \overline{) 943} \begin{array}{r} 104 \text{ r } 7 \end{array}$$

$$2 \overline{) 354} \begin{array}{r} 177 \end{array}$$

$$7 \overline{) 727} \begin{array}{r} 103 \text{ r } 6 \end{array}$$

$$7 \overline{) 960} \begin{array}{r} 137 \text{ r } 1 \end{array}$$

$$3 \overline{) 568} \begin{array}{r} 189 \text{ r } 1 \end{array}$$

$$5 \overline{) 905} \begin{array}{r} 181 \end{array}$$

$$8 \overline{) 888} \begin{array}{r} 111 \end{array}$$

$$3 \overline{) 989} \begin{array}{r} 329 \text{ r } 2 \end{array}$$

$$8 \overline{) 810} \begin{array}{r} 101 \text{ r } 2 \end{array}$$

$$8 \overline{) 816} \begin{array}{r} 102 \end{array}$$

$$6 \overline{) 680} \begin{array}{r} 113 \text{ r } 2 \end{array}$$

$$7 \overline{) 721} \begin{array}{r} 103 \end{array}$$

## Rounding

Round to the nearest hundred above and below, and circle the rounded number that is closest to the given number.

- |     |              |       |              |      |              |       |              |
|-----|--------------|-------|--------------|------|--------------|-------|--------------|
| 1 ) | <u>8,400</u> | 8,486 | <u>8,500</u> | 6 )  | <u>9,100</u> | 9,177 | <u>9,200</u> |
| 2 ) | <u>9,700</u> | 9,753 | <u>9,800</u> | 7 )  | <u>4,900</u> | 4,915 | <u>5,000</u> |
| 3 ) | <u>7,200</u> | 7,289 | <u>7,300</u> | 8 )  | <u>2,900</u> | 2,959 | <u>3,000</u> |
| 4 ) | <u>6,900</u> | 6,997 | <u>7,000</u> | 9 )  | <u>8,100</u> | 8,164 | <u>8,200</u> |
| 5 ) | <u>9,500</u> | 9,552 | <u>9,600</u> | 10 ) | <u>7,500</u> | 7,564 | <u>7,600</u> |

 Math-Aids.Com


Round to the nearest thousand above and below, and circle the rounded number that is closest to the given number.

- |     |               |        |               |      |               |        |               |
|-----|---------------|--------|---------------|------|---------------|--------|---------------|
| 1 ) | <u>74,000</u> | 74,844 | <u>75,000</u> | 6 )  | <u>17,000</u> | 17,483 | <u>18,000</u> |
| 2 ) | <u>55,000</u> | 55,437 | <u>56,000</u> | 7 )  | <u>64,000</u> | 64,375 | <u>65,000</u> |
| 3 ) | <u>73,000</u> | 73,998 | <u>74,000</u> | 8 )  | <u>18,000</u> | 18,737 | <u>19,000</u> |
| 4 ) | <u>78,000</u> | 78,692 | <u>79,000</u> | 9 )  | <u>78,000</u> | 78,838 | <u>79,000</u> |
| 5 ) | <u>21,000</u> | 21,198 | <u>22,000</u> | 10 ) | <u>78,000</u> | 78,886 | <u>79,000</u> |

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Round each number to the nearest hundred.

1) 7,823    7,800

6) 1,198    1,200

2) 5,457    5,500

7) 9,631    9,600

3) 3,679    3,700

8) 6,265    6,300

4) 5,415    5,400

9) 7,394    7,400

5) 4,515    4,500

10) 8,946    8,900

Round each number to the nearest ten

1) £ 9,614.62    £ 9,610.00

6) £ 7,892.91    £ 7,890.00

2) £ 4,773.46    £ 4,770.00

7) £ 1,956.34    £ 1,960.00

3) £ 4,678.52    £ 4,680.00

8) £ 5,932.14    £ 5,930.00

4) £ 4,885.41    £ 4,890.00

9) £ 4,019.83    £ 4,020.00

5) £ 8,962.39    £ 8,960.00

10) £ 7,953.78    £ 7,950.00

Round each number to the nearest hundredth.

1 ) 7.8784 7.88

6 ) 8.6289 8.63

2 ) 2.3948 2.39

7 ) 3.4289 3.43

3 ) 8.3356 8.34

8 ) 3.3447 3.34

4 ) 2.6961 2.70

9 ) 8.4995 8.50

5 ) 7.4433 7.44

10 ) 8.8748 8.87

Round each number to the nearest thousandth.

1 ) 5.66245 \_\_\_\_\_

6 ) 2.46637 \_\_\_\_\_

2 ) 5.53866 \_\_\_\_\_

7 ) 3.82722 \_\_\_\_\_

3 ) 9.75718 \_\_\_\_\_

8 ) 1.28639 \_\_\_\_\_

4 ) 2.76284 \_\_\_\_\_

9 ) 8.74858 \_\_\_\_\_

5 ) 4.23723 \_\_\_\_\_

10 ) 2.22378 \_\_\_\_\_

## BIDMAS – Order of Operations

$$\begin{array}{r}
 1) (13 + 13 - 2) \div 6 \\
 (26 - 2) \div 6 \\
 24 \div 6 \\
 4
 \end{array}$$

$$\begin{array}{r}
 6) (12 + 4) \times 8 - 3 \\
 16 \times 8 - 3 \\
 128 - 3 \\
 125
 \end{array}$$

$$\begin{array}{r}
 2) (16 - 4) + 16 \div 2 \\
 12 + 16 \div 2 \\
 12 + 8 \\
 20
 \end{array}$$

$$\begin{array}{r}
 7) (13 + 28 - 5) \div 9 \\
 (41 - 5) \div 9 \\
 36 \div 9 \\
 4
 \end{array}$$

$$\begin{array}{r}
 3) (11 + 37) \div (21 - 5) \\
 48 \div 16 \\
 3
 \end{array}$$

$$\begin{array}{r}
 8) 7 \times 4 \times (10 + 6) \\
 7 \times 4 \times 16 \\
 28 \times 16 \\
 448
 \end{array}$$

$$\begin{array}{r}
 4) 7 \times 5 \times (10 - 6) \\
 7 \times 5 \times 4 \\
 35 \times 4 \\
 140
 \end{array}$$

$$\begin{array}{r}
 9) (15 + 15) \div (6 - 3) \\
 30 \div 3 \\
 10
 \end{array}$$

$$\begin{array}{r}
 5) (11 - 7) \times 10 - 6 \\
 4 \times 10 - 6 \\
 40 - 6 \\
 34
 \end{array}$$

$$\begin{array}{r}
 10) (15 - 2) + 14 \div 7 \\
 13 + 14 \div 7 \\
 13 + 2 \\
 15
 \end{array}$$



Name : \_\_\_\_\_ Score : \_\_\_\_\_

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**Order of Operations**

$$\begin{array}{r}
 1) (13 + 2) \times (14 + 3) - 8^2 \\
 (13 + 2) \times (14 + 3) - 64 \\
 15 \quad \times \quad 17 \quad - 64 \\
 255 \quad \quad - 64 \\
 191
 \end{array}$$

$$\begin{array}{r}
 6) (10 + 4) \times (9 + 5) + 2^2 \\
 (10 + 4) \times (9 + 5) + 4 \\
 14 \quad \times \quad 14 \quad + 4 \\
 196 \quad \quad + 4 \\
 200
 \end{array}$$

$$\begin{array}{r}
 2) 9 \times (6 \times 9 + 4^2) + 3 \\
 9 \times (6 \times 9 + 16) + 3 \\
 9 \times (54 + 16) + 3 \\
 9 \times 70 + 3 \\
 630 + 3 \\
 633
 \end{array}$$

$$\begin{array}{r}
 7) (10 - 4)^2 + (14 + 18 \div 6) \\
 (6)^2 + (14 + 3) \\
 36 + 17 \\
 53
 \end{array}$$

$$\begin{array}{r}
 3) (5 + 5)^2 + (14 - 20 \div 10) \\
 (10)^2 + (14 - 2) \\
 100 + 12 \\
 112
 \end{array}$$

$$\begin{array}{r}
 8) (8 + 77 - 5^2) \div (10 - 4) \\
 (8 + 77 - 25) \div (10 - 4) \\
 (85 - 25) \div 6 \\
 60 \div 6 \\
 10
 \end{array}$$

$$\begin{array}{r}
 4) 7 \times (2 \times 4 + 8^2) + 7 \\
 7 \times (2 \times 4 + 64) + 7 \\
 7 \times (8 + 64) + 7 \\
 7 \times 72 + 7 \\
 504 + 7 \\
 511
 \end{array}$$

$$\begin{array}{r}
 9) (14 + 48 - 2) \div 30 + 4^2 \\
 (14 + 48 - 2) \div 30 + 16 \\
 (62 - 2) \div 30 + 16 \\
 60 \div 30 + 16 \\
 2 + 16 \\
 18
 \end{array}$$

$$\begin{array}{r}
 5) (12 + 26 - 6) \div 16 - 3^2 \\
 (12 + 26 - 6) \div 16 - 9 \\
 (38 - 6) \div 16 - 9 \\
 32 \div 16 - 9 \\
 2 - 9 \\
 -7
 \end{array}$$

$$\begin{array}{r}
 10) (11 + 53 - 2^2) \div (7 - 5) \\
 (11 + 53 - 4) \div (7 - 5) \\
 (64 - 4) \div 2 \\
 60 \div 2 \\
 30
 \end{array}$$



Name : \_\_\_\_\_ Score : \_\_\_\_\_

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**Order of Operations**

$$1) (16 - 4) \times (8 + 6) + 5^2$$

$$(16 - 4) \times (8 + 6) + 25$$

$$12 \quad \times \quad 14 \quad + \quad 25$$

$$168 \quad + \quad 25$$

$$193$$

$$6) 4 \times (4 \times 8 - 9^2) - 6$$

$$4 \times (4 \times 8 - 81) - 6$$

$$4 \times (32 - 81) - 6$$

$$4 \times -49 - 6$$

$$-196 - 6$$

$$-202$$

$$2) (14 - 2)^2 + (15 - 16 \div 2)$$

$$(12)^2 + (15 - 8)$$

$$144 + 7$$

$$151$$

$$7) (12 + 72 - 6^2) \div (11 - 7)$$

$$(12 + 72 - 36) \div (11 - 7)$$

$$(84 - 36) \div 4$$

$$48 \div 4$$

$$12$$

$$3) (14 + 16 - 6) \div 3 - 3^2$$

$$(14 + 16 - 6) \div 3 - 9$$

$$(30 - 6) \div 3 - 9$$

$$24 \div 3 - 9$$

$$8 - 9$$

$$-1$$

$$8) (13 + 5) \times (11 - 2) - 6^2$$

$$(13 + 5) \times (11 - 2) - 36$$

$$18 \times 9 - 36$$

$$162 - 36$$

$$126$$

$$4) 2 \times (3 \times 8 + 8^2) + 10$$

$$2 \times (3 \times 8 + 64) + 10$$

$$2 \times (24 + 64) + 10$$

$$2 \times 88 + 10$$

$$176 + 10$$

$$186$$

$$9) (8 + 45 - 5) \div 3 - 7^2$$

$$(8 + 45 - 5) \div 3 - 49$$

$$(53 - 5) \div 3 - 49$$

$$48 \div 3 - 49$$

$$16 - 49$$

$$-33$$

$$5) (2 + 3)^2 + (14 - 16 \div 4)$$

$$(5)^2 + (14 - 4)$$

$$25 + 10$$

$$35$$

$$10) (15 + 19 - 2^2) \div (9 - 4)$$

$$(15 + 19 - 4) \div (9 - 4)$$

$$(34 - 4) \div 5$$

$$30 \div 5$$

$$6$$



## Verbal Reasoning

### GL Techniques – Types 1- 4

- 
14. g
  15. n
  16. y
  17. d
  18. b
  19. w

- 
66. fruit vegetable
  67. man lady
  68. house wall

- 
32. MAT SEAT
  33. BAG SANG
  34. ROW CLAY
  35. LIP SCARF

- 
59. behave
  60. football
  61. knowledge

## Non-Verbal Reasoning

### Rotation

#### Rotation — p.12-13

##### Warm Up

1. a)C b)C c)A d)A e)C f)A g)C
2. a)45 b)90 c)45 d)180 e)90 f)180 g)45
3. Number rotated 90 degrees: 4  
Number rotated 180 degrees: 2

##### Rotate the Figure

4. **A**  
The figure is rotated 180 degrees. Option B is a rotated reflection. In options C and D, the hearts have been rotated incorrectly.

5. **C**  
The figure is rotated 270 degrees clockwise (or 90 degrees anticlockwise). Option A is a reflection. In option B, the star is positioned incorrectly. In option D, the star and the cut-out section have the wrong number of points.

##### Complete the Series

8. **B**  
The figure rotates 45 degrees clockwise in each series square. The circle's shading alternates between black and white.

#### Reflection — p.14-15

##### Warm Up

1. a)yes b)yes c)no d)yes e)no f)no
2. a)reflected b)rotated c)reflected  
d)reflected e)rotated
3. Number of reflections: 2  
(To work this out, rotate each figure so the black dot is at the top. Then see whether it is a mirror image of the figure in the square.)

##### Reflect the Figure

4. **A**  
Option B is a downwards reflection. Option C has the wrong shading and option D is a different shape.
5. **B**  
In option A, the figure has not been reflected and the star has the wrong number of points. Option C is a 90 degree anticlockwise rotation. Option D is a downwards reflection.

## Find the Figure Like the First Two

8. **D**  
In all figures, the two small shapes must be reflections of each other.

#### Layering — p.16-17

##### Warm Up

1. a) rectangle b) circle c) hexagon  
d) cross e) triangle f) star
2. a) white b) black c) white  
d) grey e) white f) grey
3. a)3 b)4 c)5 d)4 e)6 f)5 g)3

##### Odd One Out

4. **C**  
In all other figures, the white shape is at the front.
5. **B**  
In all other figures, the white shape which is created by the overlap of the two grey shapes has four sides.

##### Complete the Pair

8. **D**  
The lines crossing the large shapes move to the back.