



BROAD HORIZON
— T U I T I O N —

11+ Tuition

Year 3

Assessment Test 4

ANSWERS

Total: _____ / 184 _____ %

Pass mark is 70% 128 / 184

Maths Section

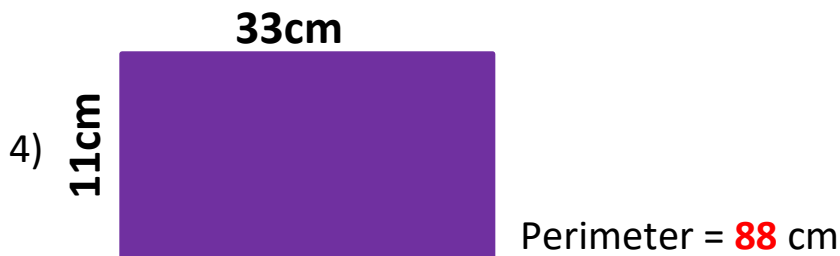
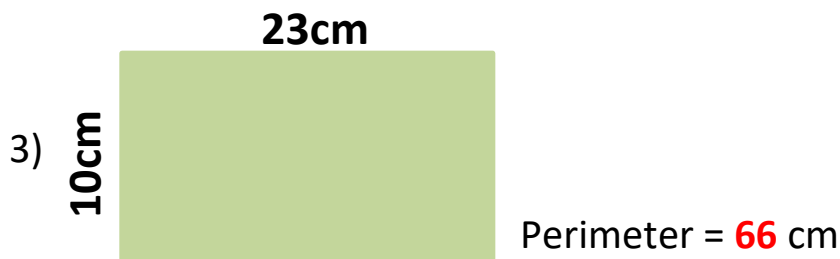
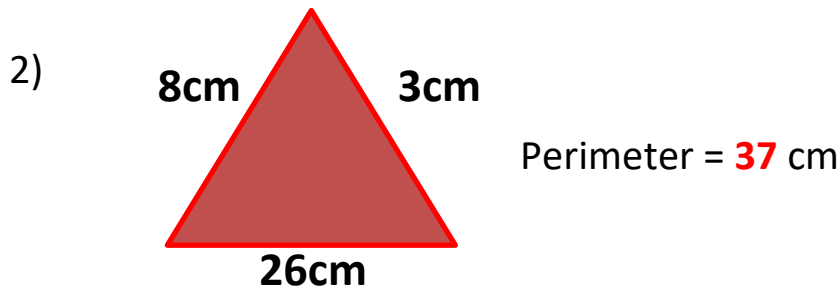
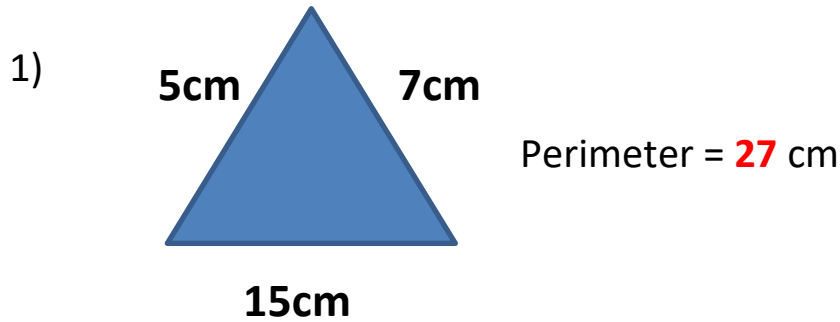
Mental arithmetic

MENTAL ARITHMETIC : YEAR 3 : SUMMER TERM : WEEK 3

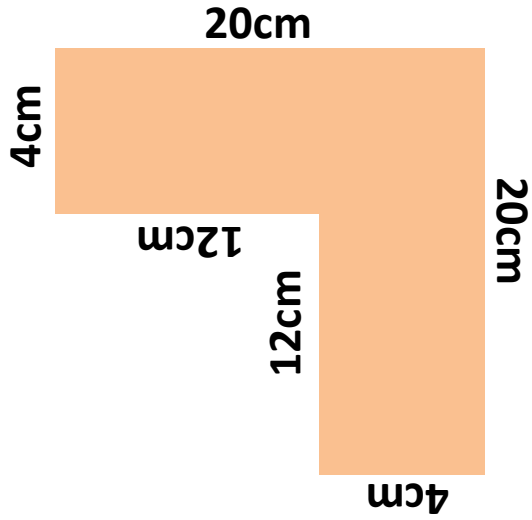
Paper 5	Answer	Paper 6	Answer
1. What is the sum of 11, 8 and 9?	28	1. What is the sum of 14, 9 and 6?	29
2. What is the sum of 13, 4 and 7?	24	2. What is the sum of 15, 8 and 5?	28
3. 13 take away 9.	4	3. 15 take away 7.	8
4. What is 100 less than 403?	303	4. What is 100 less than 601?	501
5. What is 100 less than 621?	521	5. What is 100 less than 126?	26
6. What must I take from 23 to leave 14?	9	6. What must I take from 35 to leave 26?	9
7. What must I take from 21 to leave 15?	6	7. What must I take from 32 to leave 25?	7
8. What must I add to 14 to make 25?	11	8. What must I add to 13 to make 27?	14
9. How many more than 6 is 47?	41	9. How many more than 5 is 38?	33
10. How many more than 4 is 23?	19	10. How many more than 7 is 50?	43

Perimeter

Calculate the perimeter of the following shapes:

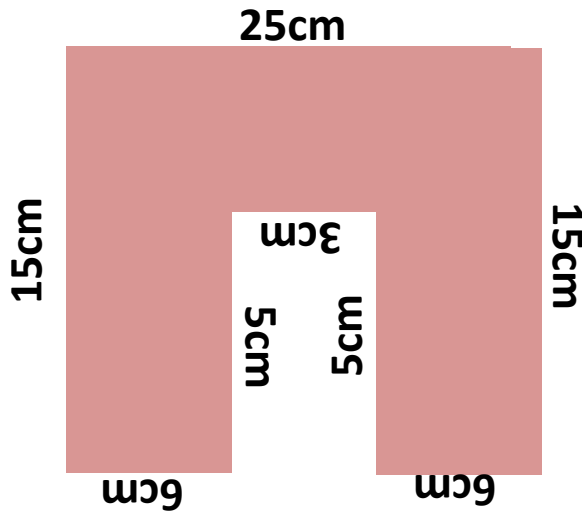


5)



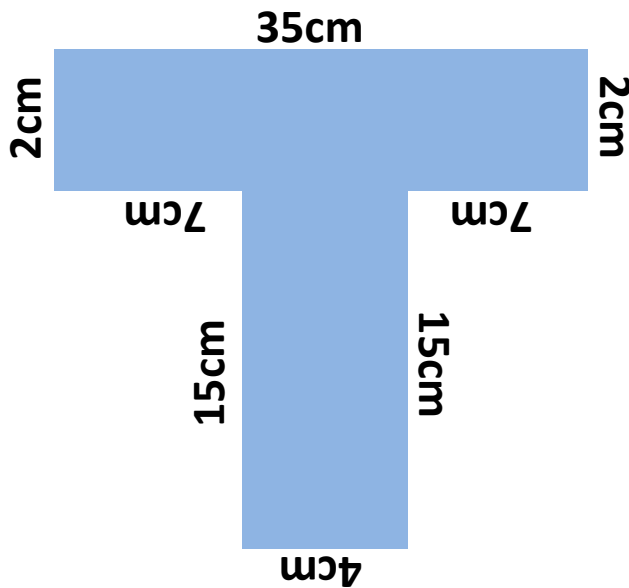
Perimeter = 52 cm

6)



Perimeter = 80 cm

7)



Perimeter = 87 cm

(7 marks)

Equivalent Fractions

Convert the following fractions into their equivalent fractions:

1) $\frac{3}{20} = \frac{6}{40}$

2) $\frac{4}{16} = \frac{2}{8}$

3) $\frac{9}{18} = \frac{3}{6}$

4) $\frac{8}{14} = \frac{4}{7}$

5) $\frac{3}{4} = \frac{9}{12}$

6) $\frac{8}{16} = \frac{2}{4}$

7) $\frac{6}{10} = \frac{24}{40}$

8) $\frac{2}{4} = \frac{1}{2}$

9) $\frac{12}{20} = \frac{6}{10}$

10) $\frac{7}{10} = \frac{70}{100}$

11) $\frac{3}{9} = \frac{1}{3}$

12) $\frac{1}{2} = \frac{2}{4}$

(12 marks)

Ordering Fractions (3 marks each) – 1 for each wrong number

Order the following fractions:

1) $6/8$, $5/16$, $4/16$, $3/4$, $1/2$

 $4/16$, $5/16$, $1/2$, $3/4$ or $6/8$ (in whichever order)

2) $7/20$, $6/10$, $9/20$, $1/2$, $2/5$

 $2/5$, $9/20$, $1/2$, $6/20$, $7/20$

3) $9/15$, $7/15$, $10/15$, $3/5$, $2/5$

 $2/5$, $7/15$, $3/5$ or $9/15$ (in whichever order) , $10/15$

4) $7/10$, $1/2$, $2/5$, $4/5$, $1/10$

 $1/10$, $2/5$, $1/2$, $7/10$, $4/5$

5) $2/7$, $6/7$, $7/14$, $3/14$, $1/7$

 $1/7$, $3/14$, $2/7$, $7/14$, $6/7$ **(15 marks)**

Adding Fractions

Use butterfly method to answer questions 4 – 6.

$$1) \frac{9}{10} + \frac{7}{10} = \frac{16}{10} \quad 2) \frac{4}{90} + \frac{60}{90} = \frac{64}{90} \quad 3) \frac{9}{18} + \frac{3}{18} = \frac{12}{18}$$

$$4) \frac{1}{2} + \frac{2}{5} = \frac{9}{10} \quad 5) \frac{2}{4} + \frac{3}{8} = \frac{8}{8} \quad 6) \frac{1}{7} + \frac{2}{3} = \frac{17}{21}$$

$$7) \frac{3}{6} + \frac{1}{3} = \frac{5}{6} \quad 8) \frac{5}{8} + \frac{2}{6} = \frac{46}{48} \quad 9) \frac{3}{7} + \frac{2}{4} = \frac{26}{28}$$

(9 marks)

Measurements

1) Convert 100 cm into mm = **1000** mm

2) Convert 10 m into cm = **1000** cm

3) Convert 3 km into m = **3000** m

4) Convert 75 kg into g = **75000** g

5) Convert 7 L into mL = **7000** mL

6) Convert 8 minutes into seconds = **480** s

7) Convert 4 hours into minutes = **240** min

8) Convert 3 days into hours = **72** hours

9) Convert 2 years into months = **24** months

10) Convert 3 weeks into days = **21** days

(10 marks)

Time

Draw the time on the times given on the clocks;

1) Draw 2:00 on the clock



2) Draw 4:00 on the clock



3) Draw 7:00 on the clock



4) Draw 4:30 on the clock



Time – continued

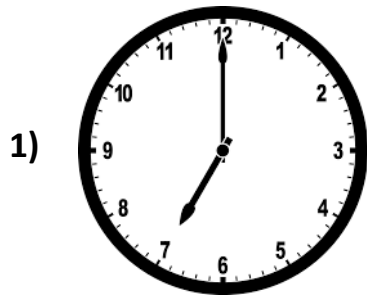
5) Draw 2:30 on the clock



6) Draw 1:15 on the clock



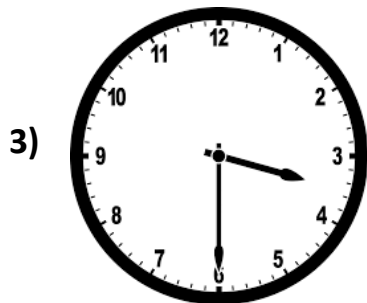
Write down the time shown on the clocks in the following boxes



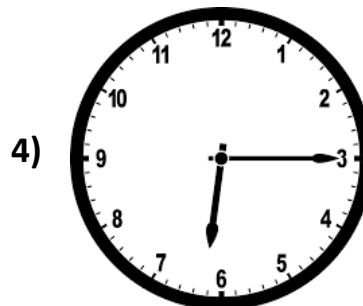
7:00



2:00



3:30

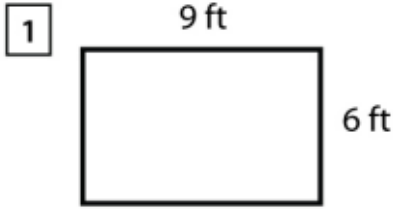


6:15

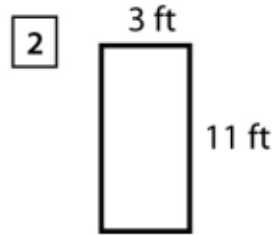
(10 marks)

Area

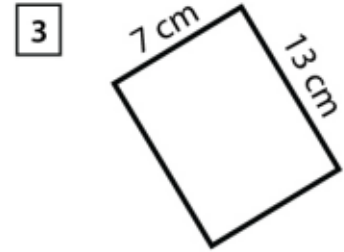
Answers



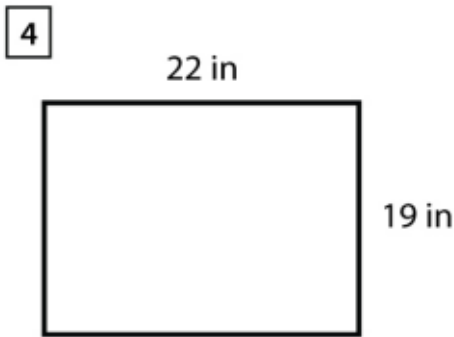
Area = 54 ft²
 Perimeter = 30 ft



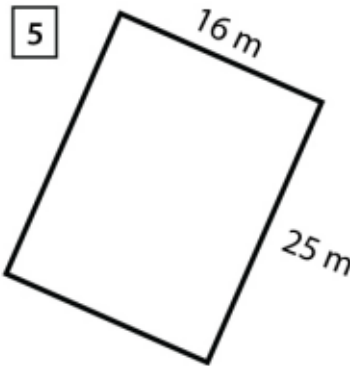
Area = 33 ft²
 Perimeter = 28 ft



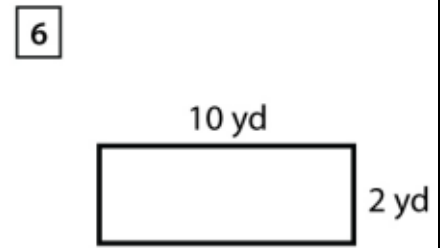
Area = 91 cm²
 Perimeter = 40 cm



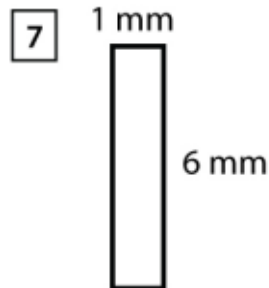
Area = 418 in²
 Perimeter = 82 in



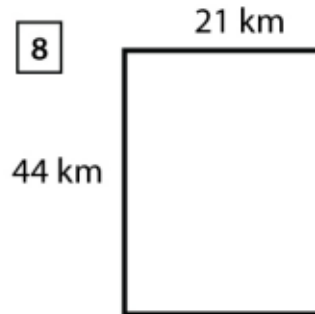
Area = 400 m²
 Perimeter = 82 m



Area = 20 yd²
 Perimeter = 24 yd



Area = 6 mm²



Area = 924 km²

Do not Turn Over, Until instructed to do so.

(8 marks)

English comprehension

Accept any suitable answers

Spellings

NOTE – DO NOT START THIS SECTION UNTIL EVERYONE IS ON THIS PAGE

READ OUT EACH SPELLING TWICE TO ALL THE STUDENTS AND WAIT TEN SECONDS

- 1) particular**
- 2) Knowledge**
- 3) believe**
- 4) arrive**
- 5) appear**
- 6) ordinary**
- 7) Minute**
- 8) island**
- 9) therefore**
- 10) guard**

11) breathe

12) imagine

13) believe

14) early

15) complete

16) earth

17) surprise

18) notice

19) mention

20) through

Definitions

Define the following words. Award 3 marks for any sensible answers

1) Various

possibly but not certainly / maybe

2) Experience

usual, normal or not special

3) Purpose

likely to happen or be true.

4) Consider

something that is strange, odd or unusual.

5) Mention

At the farthest point of something

6) Reign

rule by a king or queen

7) Regular

A period of one hundred years

8) Guide

unusual or surprising in a way that is unsettling or hard to understand

(24 marks)