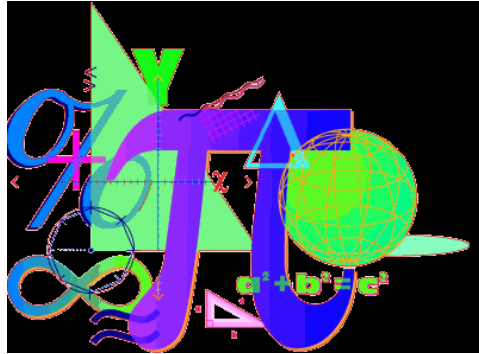




Haslingden High School
Mathematics Faculty
HOMEWORK BOOKLET
Year 7 Support



Name: _____ Form: _____

Maths Teacher: _____

Date Given: _____ Date to Hand in: _____

Mark:

Effort:

House Points:

	Topic	WWW	IOTI
Monday	Fractions and percentages		
Tuesday	Area and perimeter		
Wednesday	Multiplying and dividing by 10, 100 and 1000		
Thursday	Multiplying and dividing		
Friday	Rounding and estimating		

Glue here

Close the gap

Instructions.

No calculator is allowed on any part of this homework.



Remember to show all your working out.

If you struggle with any part of this homework, go to www.mymaths.co.uk and search for the topic name. Click on the lesson to help.

General login

Login: haslingden

Password:

My personal login

Login:

Password:

Monday: Fractions and Percentages



Skills check (12 marks)

- | | |
|-----------------------|---------------------------------|
| 1) 50% of 70 | 7) $\frac{1}{4}$ of 32 = |
| 2) 25% of 120 = | 8) $\frac{1}{3}$ of 12 = |
| 3) 75% of 80 = | 9) $\frac{1}{5}$ of 30 = |
| 4) 10% of 80 = | 10) $\frac{1}{7}$ of 42 = |
| 5) 20% of 80 = | 11) $\frac{2}{3}$ of 30 = |
| 6) 15% of 200 = | 12) $\frac{4}{5}$ of 25 = |

Challenge (4 marks)

Joanne has 300 sweets.

She gives $\frac{1}{2}$ of the sweets to Erin.

She gives ___ sweets to Erin and she has ___ sweets left.

Joanne gives $\frac{1}{3}$ of the remaining sweets to William.

She gives ___ sweets to William.

How many sweets does Joanne have left?

She has ___ sweets left.

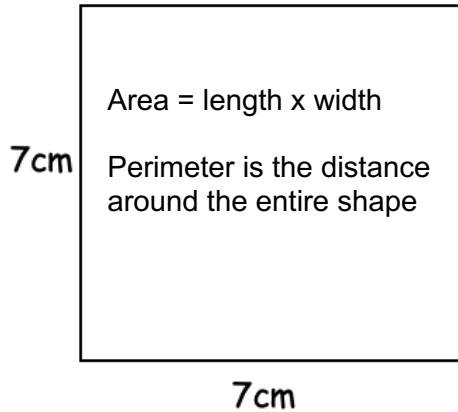
Score /16

Tuesday: Perimeter and Area

Skills check (10 marks)

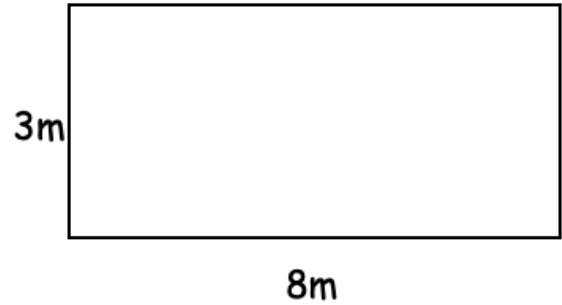
1. Find the perimeter and area of each shape. Don't forget units!

a)



Area =

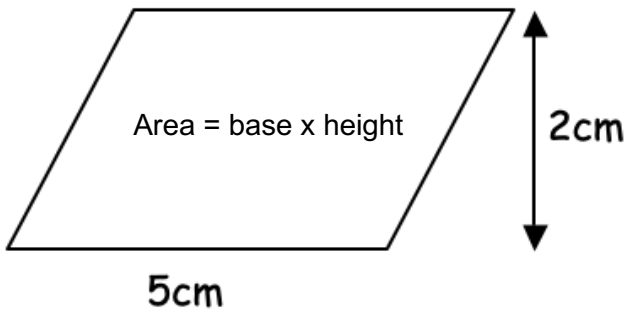
Perimeter =



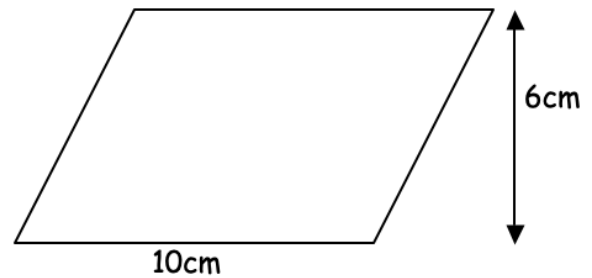
Area =

Perimeter =

b)

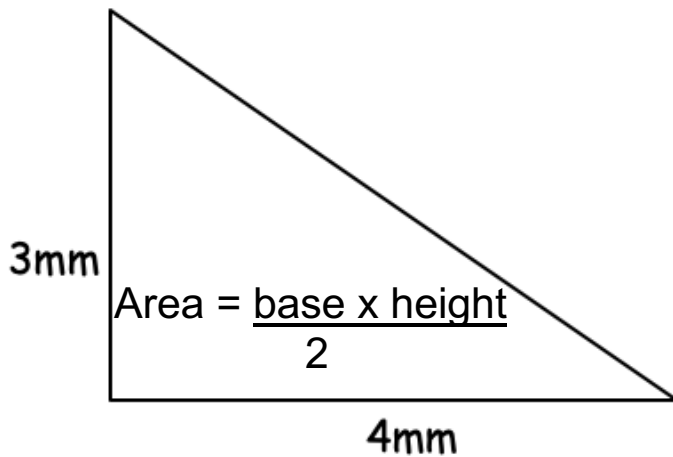


Area =

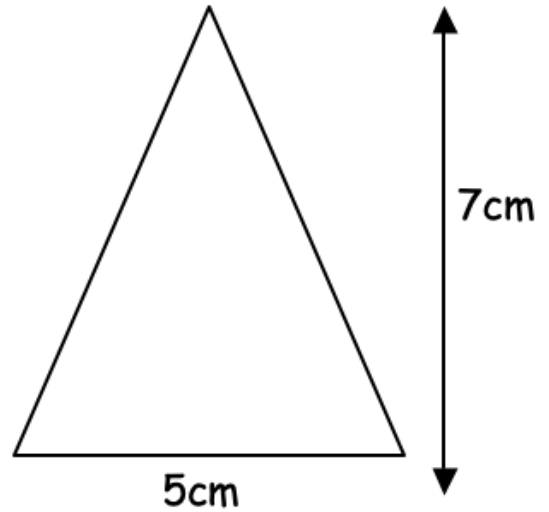


Area =

2. Find the area of each shape. Don't forget units!



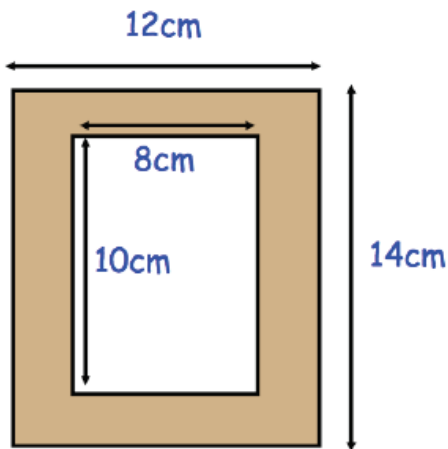
Area =



Area =

Challenge (3 marks)

Shown below is a wooden picture frame.



Work out the shaded area.

Step 1: find the area of the large rectangle

_____ cm²

Step 2: find the area of the small rectangle

_____ cm²

Step 3: large – small

_____ cm²

Score
/11

Wednesday: Multiplying/Dividing by 10, 100, 1000



Skills check (12 marks)

1) $5 \times 100 =$

7) $140 \div 10 =$

2) $980 \times 100 =$

8) $2600 \div 100 =$

3) $160 \times 10 =$

9) $60500 \div 100 =$

4) $1.7 \times 10 =$

10) $912 \div 10 =$

5) $91.3 \times 100 =$

11) $45.01 \div 10 =$

6) $2.06 \times 100 =$

12) $71.3 \div 10 =$

Challenge (5 marks)

$85 \times \square = 8500$

$\square \times 1000 = 400$

$\square \times 10 = 457.1$

$1900 \div \square = 19$

$\square \div 10 = 0.05$

Score
/17

Thursday: Multiplying and Dividing



Skills check (5 marks)

Use the grid or column method to answer the following questions.

No working = no marks

a) 12×42

x	10	2
40		
2		

b) 28×63

x	20	8
60		
3		

c) 139×38

x	100	30	9
30			
8			

Use the bus stop method to answer the following questions.

No working = no marks

a) $608 \div 8$

$$8 \overline{) 608}$$

b) $6153 \div 7$

$$7 \overline{) 6153}$$

Challenge (2 marks)

Timothy saves £34 a week.

Calculate how much money Timothy will save in one year

Hint: There are 52 weeks in a year

Score /7

Friday - Rounding



Skills check (12 marks)

1. Round the following numbers to the nearest:

a) 10

b) 100

c) 1000

a) 1484

b) 14794

2. Round the following numbers to the nearest:

a) 1dp

b) 2dp

a) 6.245

b) 24.2157

c) 0.0692

Challenge (2 marks)

Bob wants to do the following calculation: 23.2×31.4

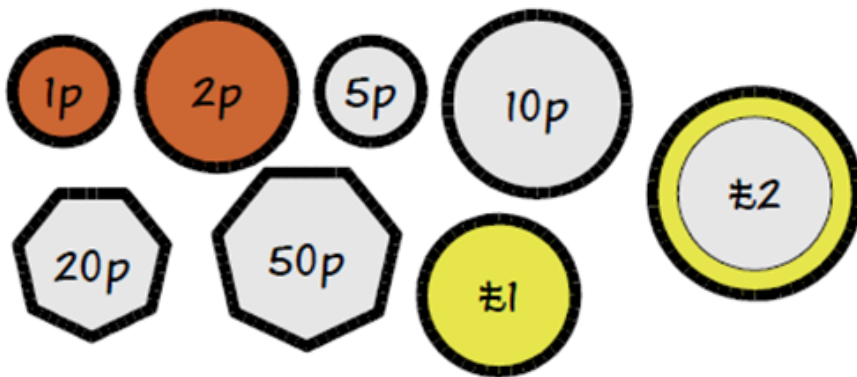
He estimates the answer by rounding each number to the nearest 10.
Does this give him an overestimate or underestimate? Explain your answer.

Score /14

Weekend Activity - Coins Problem

Skills check (4 marks)

Here are the coins used in England.



1) Bob has 56p in his pocket. Write down the coins this could be.

2) Stephen buys a bar of chocolate and a drink for £1.31. He pays with the correct money. Write down which coins he could have used.

3) Jade buys a new pencil case costing £1.75. She pays with a £2 coin.

a) How much change does Jade get?

b) Which coins could she be given as her change?

Score /4
