



Haslingden High School Mathematics Faculty HOMEWORK BOOKLET Year 7 Core



Instructions.

No calculator is allowed on any part of this homework.
Remember to show all your working out.



Name: _____ Form: _____

Maths Teacher: _____

Date Given: _____ Date to Hand in: _____

	Topic	Mark	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			

Total mark:

Effort:

Glue here

Close the gap

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.

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

How many sweets does Joanne have left?

Score /16

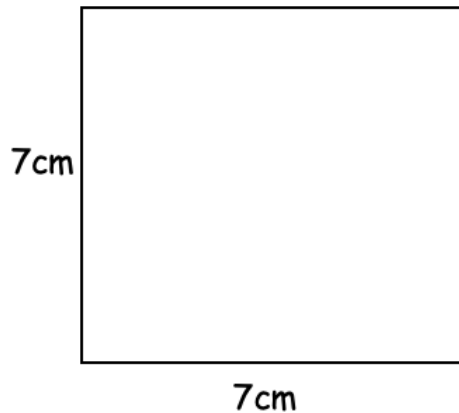
Tuesday: Perimeter and Area



Skills check (10 marks)

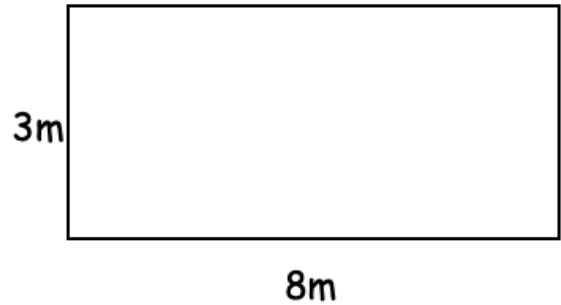
1. Find the perimeter and area of each shape. Don't forget units!

a)



Area =

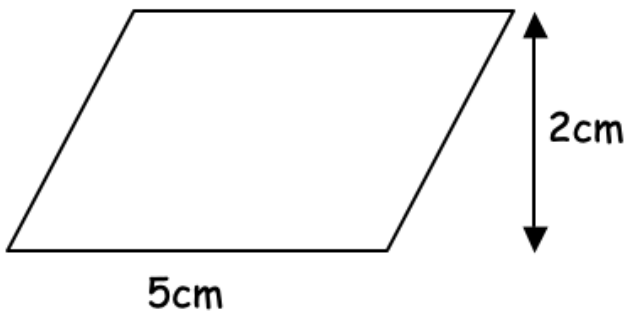
Perimeter =



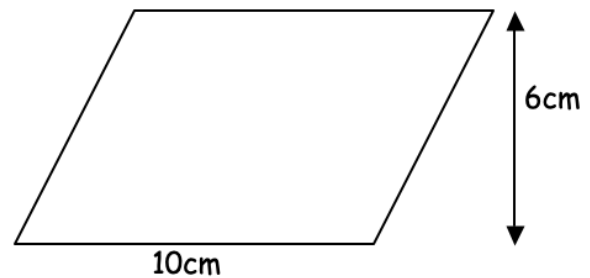
Area =

Perimeter =

b)

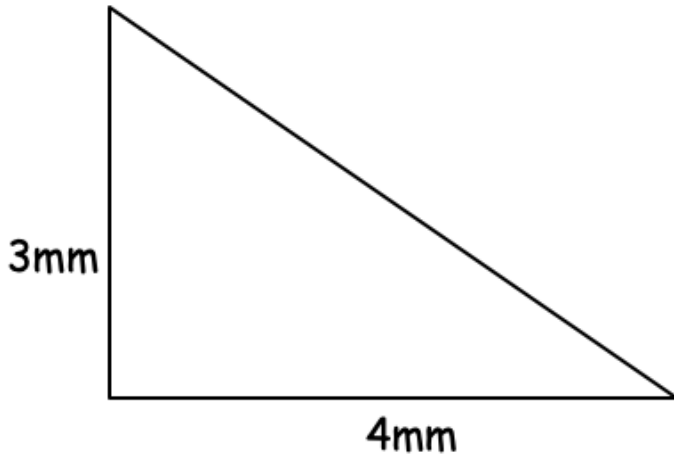


Area =

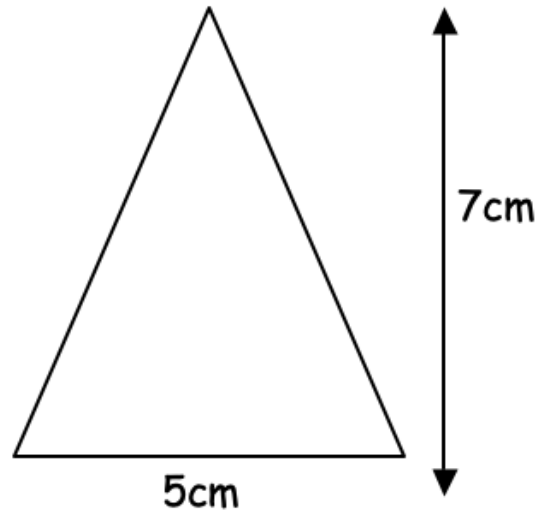


Area =

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



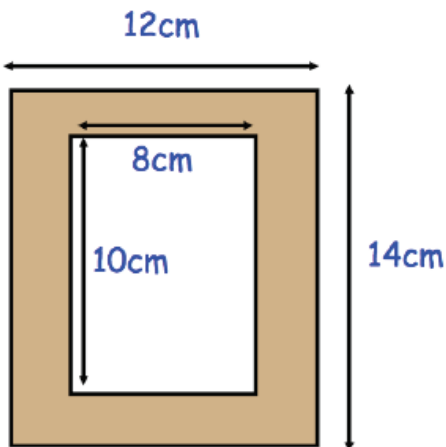
Area =



Area =

Challenge (3 marks)

Shown below is a wooden picture frame.



Work out the shaded area.

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)

$$85 \times \boxed{} = 8500$$

$$\boxed{} \times 1000 = 400$$

$$\boxed{} \times 10 = 457.1$$

$$1900 \div \boxed{} = 19$$

$$\boxed{} \div 10 = 0.05$$

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

b) 28×63

c) 139×38

Use the bus stop method to answer the following questions.

No working = no marks

a) $608 \div 8$

b) $6153 \div 7$

Challenge (2 marks)

Timothy saves £34 a week.

Calculate how much money Timothy will save in one 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

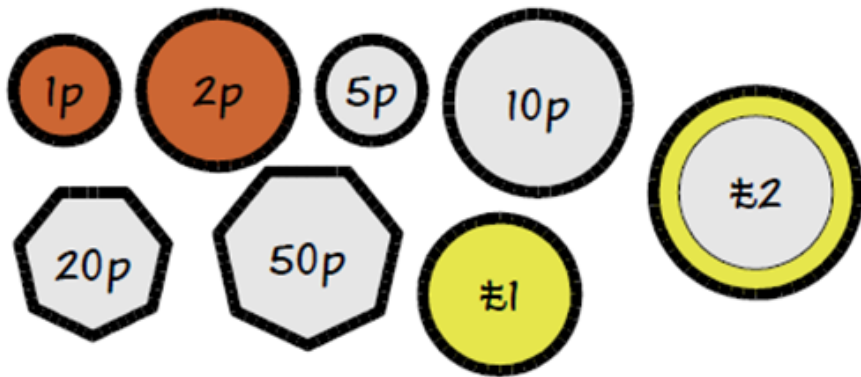
He estimates the answer by rounding each number to the nearest 10.
Does this give him an overestimate or underestimate? Explain your answer.

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
