Name   Date

Transitional assessment

Test 1: Part B (you may use a calculator)

Time: 20 minutes

1 mark
▢

1. Which two prime numbers give a product of 247? _____

2. Use a cross to mark the incorrect answers.

| $\frac{2}{3}$ of 21 = 15 |

| $\frac{4}{5}$ of 800 grams = 600 grams |

| 30% ≤ $\frac{2}{5}$ |

| 60% of £1.80 = £1.08 |

| $\sqrt{144}$ = 20% of 60 |

| $\frac{4}{6}$ of 2 hours = 4600 seconds |

1 mark
▢

3. Look at this plan of a classroom.

2.4 metres

6.3 metres

1.8 metres

1.5 metres
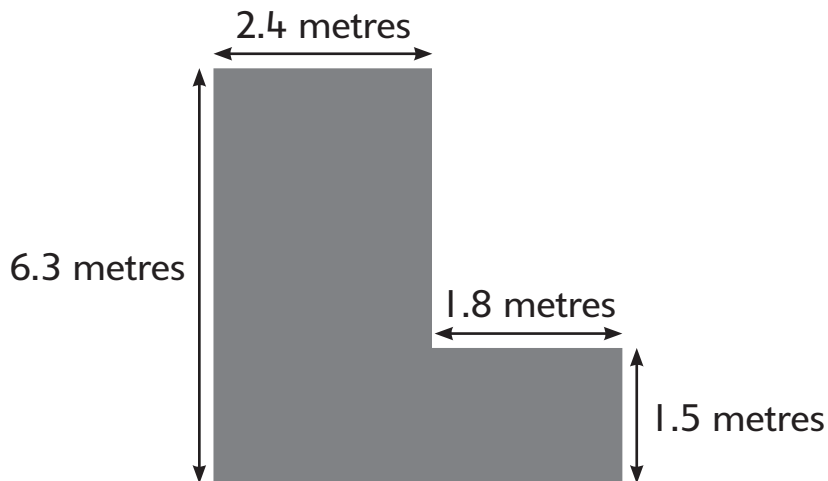
Use the measurements to work out:

a) The perimeter of the classroom _____

Show your working out.

Name _____   Date _____

Transitional assessment

Test 1: Part B (you may use a calculator) continued

b) The area of the classroom _____

> Show your working out.

c) If flooring is £42 per square metre, how
much will it cost to re-floor the classroom? _____

5 marks ☐

4. I need some euros for my holidays.

> **Suntravel plc**
> £1 = 1.27 euro
> 1% Service Charge
> No Delivery

> **Exchange.net**
> £250 = 314 euro
> No Service Charge
> Free Delivery

a) I want £300 worth of euros.
Which company offers the best deal? _____

> Show your working out.

b) I return from my holiday with 56 euros and need to change it
to pounds. What is the difference in British pounds that I could get
from each company?
Explain how you worked it out. _____

_____

_____

_____

4 marks ☐

Name   Date

Transitional assessment

Test 1: Part B (you may use a calculator) continued

5. Class 6 have been doing a survey of minibeasts in the school grounds.

Insects in 1 sq metre

spiders	🟥	20
	🟩	
woodlice	🟦	30
	🟨	40
earwigs	🟦	

There were 120 minibeasts counted.

a) $\frac{1}{3}$ of the minibeasts were ants. Label ants on the table above.

b) Estimate the number of earwigs counted and fill in the number on the table.

c) The type of minibeast that had the fewest number was the worms. Label worms on the table and estimate how many worms were counted.

_____

d) Use the data shown to estimate how many of each minibeast there would be in 20 square metres.

Minibeast	Estimate
Spiders	
Woodlice	
Earwigs	
Ants	
Worms	

4 marks