

P5 Maths: Free Sample

9 questions · 29 marks · about 40 minutes

Name: _____ Class: _____ Date: _____

Instructions

- Paper 1 style (Q1 to Q4): no calculator. For Q1 and Q2, write the number of the correct option in the brackets. [2 marks each]
- Paper 2 style (Q5 to Q9): a calculator may be used. Show your working and write the value for each step. Correct steps earn marks even if the final answer is wrong.
- Units are already shown after each answer line, so just write the number. In the interactive version you can also type cm², m² or sq m and it will still be marked correctly.
- Want instant marking, Practice mode and mastery badges? Use the interactive version on a phone, tablet or computer.

Paper 1 style

Q1**Paper 1** Order of operations**[2 marks]**

What is the value of $75 - 6 \times (13 - 5) + 18$?

(1) 9

(2) 10

(3) 45

(4) 570

Ans: (____)**Q2****Paper 1** Converting measurements with decimals**[2 marks]**

The distance from Sam's home to the stadium is 3 km 45 m. Express this in kilometres.

(1) 3.0045 km

(2) 3.045 km

(3) 3.45 km

(4) 30.45 km

Ans: (____)

Q3**Paper 1** Fraction of a quantity, with units**[2 marks]**

Mdm Siti bought a 2 kg bag of flour. She used $\frac{3}{8}$ of it to bake bread. How many grams of flour did she use?

Working

Ans: _____ **g****Q4****Paper 1** Percentage in daily life: GST, discount, interest**[2 marks]**

A watch costs \$80 before GST. GST of 9% is charged on the price. How much does the watch cost after GST?

Working

Ans: \$ _____

Paper 2 style

Q5

Paper 2

Rate: two working together

[4 marks]

Printer A prints 45 pages in 3 minutes. Printer B prints 8 more pages per minute than Printer A. Both printers are used together to print 760 pages. How many minutes will they take?

Working

Step 1: How many pages does Printer A print in 1 minute? [1 mark] _____ pages

Step 2: How many pages do both printers print together in 1 minute? [1 mark] _____ pages

Final answer: How many minutes? [2 marks] _____ min

Q6

Paper 2

Fraction of a remainder

[4 marks]

Mrs Lee had some money. She spent $\frac{1}{3}$ of it on a bag and $\frac{2}{5}$ of the remaining money on a pair of shoes. She had \$84 left. How much money did she have at first?

Working

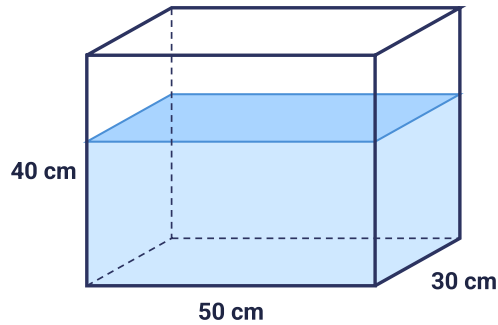
Step 1: What fraction of her money did she spend on the shoes? [1 mark] _____

Step 2: What fraction of her money did she have left? [1 mark] _____

Final answer: How much money did she have at first? [2 marks] \$ _____

Q7**Paper 2****Volume of water in a tank****[4 marks]**

A rectangular fish tank measures 50 cm by 30 cm by 40 cm. It contains water to a height of 25 cm. How many more litres of water are needed to fill the fish tank completely? (1 ℓ = 1000 cm³)



The figure is not drawn to scale.

Working

Step 1: What is the capacity of the fish tank, in cm³? [1 mark] _____ cm³

Step 2: What is the volume of water in the fish tank now, in cm³? [1 mark] _____ cm³

Final answer: How many more litres are needed? [2 marks] _____ ℓ

Q8**Paper 2** Assumption method: two kinds**[4 marks]**

At a zoo, an adult ticket costs \$12 and a child ticket costs \$7. A group of 30 adults and children paid \$275 for their tickets. How many adults were there in the group?

Working

Step 1: If all 30 people were children, how much would the tickets cost? [1 mark]

\$ _____

Step 2: What is the difference between this and the amount actually paid? [1 mark]

\$ _____

Final answer: How many adults were there in the group? [2 marks] _____ adults

Q9**Challenge** Moving items: total unchanged**[5 marks]**

Box A had 4 times as many marbles as Box B. After 60 marbles were moved from Box A to Box B, Box A had 2 times as many marbles as Box B. How many marbles were in Box A at first?

Working

Step 1: What fraction of all the marbles was in Box A at first? [1 mark]

Step 2: What fraction of all the marbles was in Box A in the end? [1 mark]

Step 3: How many marbles are there altogether? [1 mark]

_____ marbles

Final answer: How many marbles were in Box A at first? [2 marks]

_____ marbles

End of sample. Check your answers with the separate Answers and Worked Solutions sheet. Want more? Get the full MarkSmart pack: <https://www.carousell.sg/p/p5-mathematics-practice-paper-with-auto-mark-and-solutions-1468633374/>

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