Percentages: 10 practice questions

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Name: _____ Date: _____

Attempt all questions and show your working. Suggested time: 15 to 20 minutes.

Section A: Consolidating (Questions 1-4)

Question 1

Write each number as a percentage.

(a) 0.35

(b) ¾

(c) 1.2

Question 2

Find:

(a) 10% of 80

(b) 50% of 64

(c) 25% of 120

Question 3

Write 40% as:

(a) a decimal

(b) a fraction in simplest form

Question 4

Find:

(a) 1% of 350

(b) 5% of 60

Section B: Standard (Questions 5-10)

Question 5

Find:

(a) 15% of $240

(b) 35% of 80 kg

(c) 12.5% of 64

Question 6

Express the first quantity as a percentage of the second.

(a) 18 out of 72

(b) 45 out of 60

Question 7

Tran scored 34 out of 40 on a spelling test. What was his score as a percentage?

Question 8

Express 60 cm as a percentage of 2 m. (Hint: write both lengths in the same unit first.)

Question 9

Explain how to find 15% of 60 mentally by first finding 10% and 5%. Give the answer.

Question 10

A shirt normally costs $48. In a sale it is marked 25% off.

(a) How much is the discount?

(b) What is the sale price?

Percentages: answers

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Question 1

Answer: (a) 35% (b) 75% (c) 120%

Question 2

Answer: (a) 8 (b) 32 (c) 30

Question 3

Answer: (a) 0.4 (b) ⅖

Question 4

Answer: (a) 3.5 (b) 3

Question 5

Answer: (a) $36 (b) 28 kg (c) 8

Question 6

Answer: (a) 25% (b) 75%

Question 7

Answer: 85% (34/40 × 100)

Question 8

Answer: 30% (60/200 × 100)

Question 9

Answer: 9. 10% of 60 is 6, 5% is half of that, 3, and 6 + 3 = 9.

Question 10

Answer: (a) $12 (b) $36