2.6-3 Ratio and Proportion: Practice Set 3: 10-minute Pack

Total Marks

GL ASSESSMENT EP.M50 · Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Sienna's map has a scale of 1:20,000. Two villages are 6.5 cm apart on the map. What is the real distance between them in metres?

- ☐ A) 13,000 m
- ☐ B) 1,301 m
- ☐ C) 1,300 m
- ☐ D) 130,000 m
- ☐ E) 20,006.5 m

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2 Ewan's map has a scale of 1:50,000. Two villages are 4.5 cm apart on the map. What is the real distance between them in metres?

- ☐ A) 50,004.5 m
- ☐ B) 225,000 m
- ☐ C) 22,500 m
- ☐ D) 2,250 m
- ☐ E) 225 m

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3 Arjun's map has a scale of 1:20,000. Two villages are 5 cm apart on the map. What is the real distance between them in kilometres?

- ☐ A) 20,005 km
- ☐ B) 0.1 km
- ☐ C) 100,000 km
- ☐ D) 10 km
- ☐ E) 1 km

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4 Kofi's map has a scale of 1:20,000. Two villages are 20 cm apart on the map. What is the real distance between them in metres?

- [ ] A) 20,020 m
- [ ] B) 400 m
- [ ] C) 40,000 m
- [ ] D) 400,000 m
- [ ] E) 4,000 m

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5 Dylan's map has a scale of 1:10,000. Two villages are 5 cm apart on the map. What is the real distance between them in kilometres?

- [ ] A) 0.05 km
- [ ] B) 1.5 km
- [ ] C) 5 km
- [ ] D) 0.5 km
- [ ] E) 50,000 km

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6 Poppy's map has a scale of 1:1,000. Two villages are 4.5 cm apart on the map. What is the real distance between them in metres?

- [ ] A) 45 m
- [ ] B) 450 m
- [ ] C) 46 m
- [ ] D) 4,500 m
- [ ] E) 4.5 m

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7 Sana's map has a scale of 1:10,000. Two villages are 2 cm apart on the map. What is the real distance between them in metres?

- [ ] A) 201 m
- [ ] B) 20,000 m
- [ ] C) 200 m
- [ ] D) 20 m
- [ ] E) 2,000 m

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8 Sana's map has a scale of 1:5,000. Two villages are 4 cm apart on the map. What is the real distance between them in metres?

- ☐ A) 5,004 m
- ☐ B) 20,000 m
- ☐ C) 199 m
- ☐ D) 2,000 m
- ☐ E) 200 m

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9 In an allotment association, the ratio of members who grow vegetables to members who grow flowers is 5 : 3. There are 12 more vegetable growers than flower growers. Calculate the total number of members in the association.

(3)

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Mark scheme · 2.6-3 Ratio and Proportion: Practice Set 3: 10-minute Pack

Question 1

correct option C (1,300 m) cao **B1**

Answer: C) 1,300 m

Question 2

correct option D (2,250 m) cao **B1**

Answer: D) 2,250 m

Question 3

correct option E (1 km) cao **B1**

Answer: E) 1 km

Question 4

correct option E (4,000 m) cao **B1**

Answer: E) 4,000 m

Question 5

correct option D (0.5 km) cao **B1**

Answer: D) 0.5 km

Question 6

correct option A (45 m) cao **B1**

Answer: A) 45 m

Question 7

correct option C (200 m) cao **B1**

Answer: C) 200 m

Question 8

correct option E (200 m) cao **B1**

Answer: E) 200 m

Question 9

difference in parts found (5 - 3 = 2) and unit value found (12/2 = 6) **M1**

dep: total parts found (5 + 3 = 8) and their 6 x 8 **M1**

48 cao **A1**

Answer: 48

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