

Curriculum on Measurement

Level 6-9



Length

Mass

Volume

Temperature

Time

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Answer Key

Length

Exercises

Card 1 Set 1

cm: 9 in: 2

Card 2 Set 1

cm: 6 in: 3

Card 3 Set 1

cm: 2.2 in: 1.5

Card 4 Set 1

cm: 9.9 in: 2.5

Card 5 Set 1

cm: 8.2 in: 2

Card 6 Set 1

cm: 1 in: 3.75

Card 7 Set 1

cm: 6.3 in: 2.5

Card 8 Set 1

cm: 2.8 in: 3

Card 9 Set 1

cm: 6.3 in: 3.25

Card 10 Set 1

cm: 4.8 in: 3.125

Card 1 Set 2

cm: 6.8 in: 1.5

Card 2 Set 2

cm: 8.5 in: 2.75

Card 3 Set 2

3.212 in.

Card 4 Set 2

3.8 in.

Card 5 Set 2

.616 in.

Card 6 Set 2

2.57 in.

Card 7 Set 2

5.8 cm.

Card 8 Set 2

4.6 cm.

Card 9 Set 2

8.8 cm.

Card 10 Set 2

6.7 cm.

Card 1 Set 3

7.8 cm.

Card 2 Set 3

4.8 cm.

Card 3 Set 3

5.2 cm.

Card 4 Set 3

2.7 cm.

Card 5 Set 3

4.18 in.

Card 6 Set 3

1.98 in.

Card 7 Set 3

4.13 in.

Card 8 Set 3

1.67 in.

Card 1 Set 4

12

Card 2 Set 4

10

Card 3 Set 4

100

Card 4 Set 4

10

Card 5 Set 4

3

Card 6 Set 4

one inch

Card 7 Set 4

36

Card 8 Set 4

one decimeter

Card 9 Set 4

one centimeter

Card 10 Set 4

one yard

Card 1 Set 5

one yard

Card 2 Set 5

one decimeter

Card 3 Set 5

3 centimeters

Card 4 Set 5

4 decimeters

Card 5 Set 5

30 centimeters

Card 6 Set 5

3 feet

Card 7 Set 5

8 centimeters

Card 8 Set 5

2 feet

Card 9 Set 5

5 decimeters

Card 10 Set 5

4 feet

Card 1 Set 6

32 inches

Card 2 Set 6

one foot

Card 3 Set 6

2

Card 4 Set 6

10

Card 5 Set 6

4

Card 6 Set 6

100

Card 7 Set 6

192

Card 8 Set 6

300

Card 9 Set 6

48

Card 10 Set 6

70

Card 11 Set 6

8

Card 12 Set 6

72

Explorations

Card 2 Set 3

penny: 1.55 mm
quarter: 1.75 mm
dime: 1.35 mm

Temperature

Exercises

Card 1 Set 1

80 °F

Card 2 Set 1

90 °F

Card 3 Set 1

40 °F

Card 4 Set 1

120 °F

Card 5 Set 1

60 °C

Card 6 Set 1

40 °C

Card 7 Set 1

50 °C

Card 8 Set 1

110 °C

Card 9 Set 1

150 °F

Card 10 Set 1

10 °F

Card 11 Set 1

20 °F

Card 12 Set 1

130 °F

Card 13 Set 1

10 °C

Card 14 Set 1

80 °C

Card 15 Set 1

60 °C

Card 16 Set 1

100 °C

Card 1 Set 2

75 °F

Card 2 Set 2

85 °F

Card 3 Set 2

45 °F

Card 4 Set 2

25 °F

Card 5 Set 2

65 °C

Card 6 Set 2

55 °C

Card 7 Set 2

50 °C

Card 8 Set 2

35 °C

Card 9 Set 2

95 °F

Card 10 Set 2

105 °F

Card 11 Set 2

55 °F

Card 12 Set 2

70 °F

Card 13 Set 2

20 °C

Card 14 Set 2

30 °C

Card 15 Set 2

40 °C

Card 16 Set 2

70 °C.

Card 1 Set 3

44 °F

Card 2 Set 3

56 °F

Card 3 Set 3

26 °F

Card 4 Set 3

14 °F

Card 5 Set 3

13 °C

Card 6 Set 3

31 °C

Card 7 Set 3

-8 °C

Card 8 Set 3

26 °C

Card 9 Set 3

72 °F

Card 10 Set 3

42 °F

Card 11 Set 3

24 °F

Card 12 Set 3

54 °F

Card 13 Set 3

6 °C

Card 14 Set 3

-2 °C

Card 15 Set 3

22 °C

Card 16 Set 3

19 °C

Explorations

Card 6 Set 3

67 °F = 194 °C

32 °F = 0 °C

83 °F = 28.3 °C

34 °C = 93 °F

89 °C = 192 °F

24 °C = 75 °F

26 °F = 3.3 °C

56 °F = 13.3 °C

74 °F = 23 °C

12 °C = 53.6 °F

92 °C = 197 °F

48 °C = 118.4 °F

Volume

Exercises Cups

Card 1 Set 1

125

Card 2 Set 1

answers vary

Card 3 Set 1

answers vary

Card 4 Set 1

rice

Card 5 Set 1

60mL. However it is only heavier by 1 mL. The weight will probably feel the same.

Card 6 Set 1

answers vary

Card 1 Set 2

8

Card 2 Set 2

5 times

Card 3 Set 2

2 times

Card 4 Set 2

25 times

Card 5 Set 2

4

Card 6 Set 2

2

Card 7 Set 2

4

Card 8 Set 2

2

Card 9 Set 2

2

Explorations Cups

Card 1 Set 1

1/4 cup

Card 2 Set 1

50mL

Card 3 Set 1

250mL

Card 4 Set 1

1/2 cup

Card 5 Set 1

50 mL

Card 1 Set 2

1 cup

Card 2 Set 2

1/4 cup

Card 3 Set 2

1/2 cup

Card 4 Set 2

1 cup

Card 5 Set 2

50 mL

Card 6 Set 2

1/8 cup

Card 7 Set 2

125mL

Card 8 Set 2

1 cup

Exercises Spoons

Card 1 Set 1

192

Card 2 Set 1

24

Card 3 Set 1

about 29

Card 4 Set 1

about 14.5

Card 5 Set 1

3.4

Card 6 Set 1

10

Card 7 Set 1

15

Card 8 Set 1

55 mL

Card 9 Set 1

19 mL

Card 10 Set 1

51 mL

Card 1 Set 2

25 mL spoon

Card 2 Set 2

5 mL spoon

Card 3 Set 2

25 mL

Card 4 Set 2

5 mL spoon

Card 5 Set 2

1 - 250 mL

2 - 50 mL

Card 6 Set 2

1 - 25 mL

1 - 15 mL

Card 7 Set 2

1 - 15 mL

1 - 5 mL

Card 8 Set 2

3 - 250 mL

1 - 125 mL

2 - 50 mL

1 - 5 mL

Card 9 Set 2

1 - 25 mL

1 - 5 mL

Card 10 Set 2

1 - 250 mL

1 - 15 mL

1 - 5 mL

Explorations Spoons

Card 1 Set 1

1 mL

1/8 tsp

5 mL

Card 2 Set 1

5 mL

1 Tbsp

1 tsp

Card 3 Set 1

1 tsp

1/2 tsp

3/4 Tbsp

Card 4 Set 1

45 mL

1 Tbsp

1/4 tsp

Card 1 Set 2

5 mL

3.4

12.5

Card 2 Set 2

9

4.2

5

Card 3 Set 2

6

2.4

6.5

Card 4 Set 2

1.5

4.2

about 4

Card 5 Set 2

5

3

12

Volume

Exercises Liquid

Card 1 Set 1

128

Card 2 Set 1

16

Card 3 Set 1

33.8

Card 4 Set 1

32

Card 5 Set 1

about 8

Card 6 Set 1

64

Card 7 Set 1

16

Card 8 Set 1

32

Card 1 Set 2

1000

Card 2 Set 2

236.5

Card 3 Set 2

473

Card 4 Set 2

946

Card 5 Set 2

3785

Card 6 Set 2

4

Card 7 Set 2

.66

Card 8 Set 2

1.8

Card 1 Set 3

192

256

320

Card 2 Set 3

$\frac{32}{8}$
 $\frac{36.8}{8}$

Card 3 Set 3

$\frac{64}{24}$
 $\frac{72}{24}$

Card 4 Set 3

$\frac{12.8}{12}$
 $\frac{10}{12}$

Card 5 Set 3

$\frac{2.5}{5.5}$
 $\frac{1.5}{5.5}$

Card 6 Set 3

$\frac{22}{2}$
 $\frac{6.5}{2}$

Card 7 Set 3

$1 \frac{1}{4}$
 $\frac{3}{8}$

Card 8 Set 3

$\frac{8}{3}$
 $15 \frac{3}{4}$
 $3 \frac{1}{8}$

Mass

Exercises

Card 1 Set 2

2

Card 2 Set 2

5

Card 3 Set 2

4

Card 4 Set 2

2

Card 5 Set 2

2

Card 6 Set 2

4

Card 7 Set 2

5

Card 8 Set 2

8

Card 9 Set 2

2

Card 10 Set 2

10

Card 1 Set 3

5 gm.

Card 2 Set 3

1/2 oz.

Card 3 Set 3

50 gm.

Card 4 Set 3

200 gm.

Card 5 Set 3

250 gm.

Card 6 Set 3

1 oz.

Card 7 Set 3

1/2 oz.

Card 8 Set 3

100 gm.

Card 1 Set 4

1 oz.

Card 2 Set 4

2 oz.

Card 3 Set 4

50 gm.

Card 4 Set 4

40 gm.

Card 5 Set 4

60 gm.

Card 6 Set 4

8 oz.

Card 7 Set 4

2 oz.

Card 8 Set 4

10 oz.

Time

Exercises

Card 1 Set 1

1. 3:00
2. 4:00
3. 6:00

Card 2 Set 1

1. 11:00
2. 12:00
3. 2:00

Card 3 Set 1

1. 7:00
2. 8:00
3. 12:00

Card 4 Set 1

1. 12:00
2. 1:00
3. 4:00

Card 5 Set 1

1. 5:00
2. 10:00
3. 6:00

Card 6 Set 1

1. 6:00
2. 10:00
3. 2:00

Card 7 Set 1

1. 5:00
2. 9:00
3. 10:00

Card 8 Set 1

1. 1:00
2. 10:00
3. 9:00

Card 1 Set 2

1. 12:30
2. 8:30
3. 1:30

Card 2 Set 2

1. 7:30
2. 9:30
3. 12:30

Card 3 Set 2

1. 11:45
2. 4:45
3. 1:45

Card 4 Set 2

1. 8:15
2. 4:15
3. 5:15

Card 5 Set 2

1. 1:15
2. 8:15
3. 10:15

Card 6 Set 2

1. 10:30
2. 12:30
3. 2:30

Card 7 Set 2

1. 7:45
2. 7:45
3. 5:45

Card 8 Set 2

1. 12:30
2. 2:30
3. 3:30

Card 1 Set 3

1. 8:25
2. 1:25
3. 10:25

Card 2 Set 3

1. 7:57
2. 3:57
3. 4:57

Card 3 Set 3

1. 6:51
2. 8:21
3. 10:31

Card 4 Set 3

1. 3:02
2. 9:14
3. 4:14

Card 5 Set 3

1. 7:01
2. 7:14
3. 8:06

Card 6 Set 3

1. 2:58
2. 6:01
3. 1:14

Card 7 Set 3

1. 4:46
2. 9:50
3. 2:22

Card 8 Set 3

1. 11:57
2. 5:21
3. 1:34

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