



Name _____ Class _____ Date _____

1 Mr. Wallis' house is **38 ft** wide by **54 ft** high. It is proportional to Mr. River's house. If Mr. River's house is **36 ft** high, **approximately** how **wide** is it?

- A 25 ft
- B 30 ft
- C 51 ft
- D 57 ft

2 At a furniture store, a child's chair is proportional to an adult's chair. The child's chair is **63 cm** tall and **52 cm** wide. If the adult chair is **85 cm** tall, **approximately** how **wide** is it?

- A 123 cm
- B 103 cm
- C 70 cm
- D 39 cm

3 Two rectangular picture frames are proportional in size. The larger one measures **14 in. x 22 in. (b x h)**. If the smaller one has a base of **4 in.**, what is its approximate **height**?

- A 2.5 in.
- C 32 in.

4 A book and a CD case are proportional in size. The CD case has a base of **13.5 cm** and a height of **12.5 cm**. If the book has a base of **27 cm**, what is the **height** of the book?

- A 6.25 cm
- C 25 cm



PREVIEW

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7
9
p
a

- A .1
- B 1
- C .9
- D 9



- B $\frac{114}{400}$, .114
- C $\frac{912}{114}$, 8.0
- D $\frac{114}{400}$, .285

Ages	Frequency
1-4	56
5-8	140
9-12	114
13-16	90

9 If out of **150** cars, the ratio of **blue** cars is $\frac{45}{150}$, the ratio of **silver** cars is $\frac{69}{150}$ and the ratio of **green** cars is $\frac{36}{150}$, what is the **probability** that a person will own a **silver** car?

- A .24
- B .3
- C .46
- D .69

10 There are **89** fish at a pet store. **Forty-two** of them are goldfish, **twelve** are beta fish, **twenty-three** are tetras, and **seven** are angelfish. What is the **probability** that a customer will buy a **tetra**, to the nearest hundredth?

- A .47
- B .26
- C .13
- D .08





ANSWER KEY

Mr. Wallis' house is **38 ft** wide by **54 ft** high. It is proportional to Mr. River's house. If Mr. River's house is **36 ft** high, **approximately** how **wide** is it?

- A 25 ft
- B 30 ft
- C 51 ft
- D 57 ft

(a)

At a furniture store, a child's chair is proportional to an adult's chair. The child's chair is **63 cm** tall and **52 cm** wide. If the adult chair is **85 cm** tall, **approximately** how **wide** is it?

- A 123 cm
- B 103 cm
- C 70 cm
- D 39 cm

(c)

Two rectangular picture frames are proportional in size. The larger one measures **14 in. x 22 in.** ($b \times h$). If the smaller one has a base of **4 in.**, what is its approximate **height**?

- A 2.5 in.
- B 6.3 in.
- C 32 in.
- D 77 in.

(b)

A book and a CD case are proportional in size. The CD case has a base of **13.5 cm** and a height of **12.5 cm**. If the book has a base of **27 cm**, what is the **height** of the book?

- A 6.25 cm
- B 24 cm
- C 25 cm
- D 29.2 cm

(c)



PREVIEW

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- A .1
- B 1
- C .9
- D 9



- C $\frac{912}{114}, 8.0$
- D $\frac{114}{400}, .285$

1-4	50
5-8	140
9-12	114
13-16	90

If out of **150** cars, the ratio of **blue** cars is $\frac{45}{150}$, the ratio of **silver** cars is $\frac{69}{150}$ and the ratio of **green** cars is $\frac{36}{150}$, what is the **probability** that a person will own a **silver** car?

- A .24
- B .3
- C .46
- D .69

(c)

There are **89** fish at a pet store. **Forty-two** of them are goldfish, **twelve** are beta fish, **twenty-three** are tetras, and **seven** are angelfish. What is the **probability** that a customer will buy a **tetra**, to the nearest hundredth?

- A .47
- B .26
- C .13
- D .08



(b)